

FILE NOTATIONS

Entered in NID File
Location Map Pinned
Card Indexed

Checked by Chief
Approval Letter
Disapproval Letter

PWB
9-14-78

COMPLETION DATA:

Date Well Completed 2-22-74
OW..... WW..... TA.....
GW..... OS..... PA.....

Location Inspected
Bond released
State or Fee Land

LOGS FILED

Driller's Log.....
Electric Logs (No.)
E..... I..... Dual I Lat..... GR-N..... Micro.....
ENC Sonic GR..... Lat..... MI-L..... Sonic.....
CBLog..... CCLog..... Others.....

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK DRILL <input checked="" type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/>			5. LEASE DESIGNATION AND SERIAL NO. U - 7220-A																
b. TYPE OF WELL OIL WELL <input type="checkbox"/> GAS WELL <input checked="" type="checkbox"/> OTHER <input type="checkbox"/> Wildcat SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE <input type="checkbox"/>			6. IF INDIAN, ALLOTTEE OR TRIBE NAME -																
2. NAME OF OPERATOR Mountain Fuel Supply Company			7. UNIT AGREEMENT NAME -																
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901			8. FARM OR LEASE NAME Cave Canyon																
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)* At surface 661' FSL, 2030' FWL <input checked="" type="checkbox"/> SE SW <input checked="" type="checkbox"/> At proposed prod. zone			9. WELL NO. 1																
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* 26 miles south of Monticello, Utah			10. FIELD AND POOL, OR WILDCAT Wildcat <input checked="" type="checkbox"/>																
15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any) 610' -			11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE SW 10-38S-24E., SLB&M																
16. NO. OF ACRES IN LEASE 280			12. COUNTY OR PARISH San Juan																
17. NO. OF ACRES ASSIGNED TO THIS WELL -			13. STATE Utah																
18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT. -			19. PROPOSED DEPTH 6100' <input checked="" type="checkbox"/>																
20. ROTARY OR CABLE TOOLS Rotary			21. ELEVATIONS (Show whether DF, RT, GR, etc.) GR 5109' ungraded																
22. APPROX. DATE WORK WILL START* Sept. 20, 1973			23. PROPOSED CASING AND CEMENTING PROGRAM																
<table border="1"><thead><tr><th>SIZE OF HOLE</th><th>SIZE OF CASING</th><th>WEIGHT PER FOOT</th><th>SETTING DEPTH</th><th>QUANTITY OF CEMENT</th></tr></thead><tbody><tr><td>13-3/4 <input checked="" type="checkbox"/></td><td>10-3/4 <input checked="" type="checkbox"/></td><td>32.75 <input checked="" type="checkbox"/></td><td>930 <input checked="" type="checkbox"/></td><td>660 <input checked="" type="checkbox"/></td></tr><tr><td>7-7/8</td><td>4-1/2</td><td>11.6</td><td>6100</td><td>to be determined</td></tr></tbody></table>					SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT	13-3/4 <input checked="" type="checkbox"/>	10-3/4 <input checked="" type="checkbox"/>	32.75 <input checked="" type="checkbox"/>	930 <input checked="" type="checkbox"/>	660 <input checked="" type="checkbox"/>	7-7/8	4-1/2	11.6	6100	to be determined
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7-7/8	4-1/2	11.6	6100	to be determined															

We would like to drill the subject well to an estimated depth of 6100', anticipated formation tops are as follows: Morrison at the surface, Entrada at 600', Carmel at 880', Navajo at 1110', Kayenta at 1380', Wingate at 1510', Chinle at 1785', Shinarump at 2535', Moenkopi at 2635', Cutler at 2800', Honaker Trail at 4600', Paradox at 5400', Upper Ismay at 5610', Lower Ismay at 5735', "B" Marker at 5820', Desert Creek at 5840' and salt at 6000'.

And will be adequate to contain formation fluids and blow out preventers will be checked daily.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24. SIGNED BW Croft TITLE Vice President, Gas Supply Operations DATE Sept. 11, 1973

(This space for Federal or State office use)

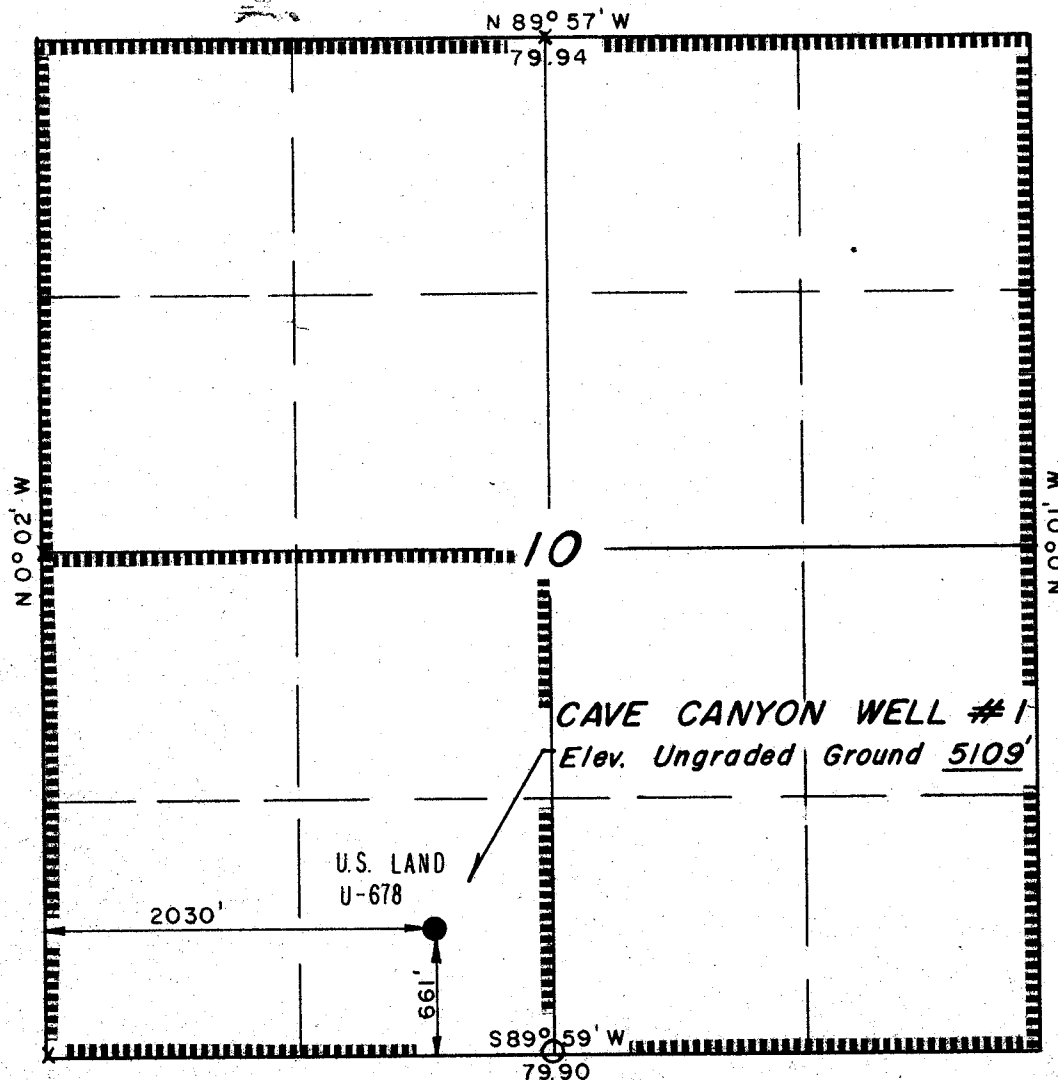
PERMIT NO. 43-031-30126 APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

T38S, R24E, S.L.B. & M.

PROJECT
MOUNTAIN FUEL SUPPLY COMPANY

Well location, CAVE CANYON WELL #1, located as shown in the SE 1/4 SW 1/4 Section 10, T38S, R24E, S.L.B. & M. San Juan County, Utah



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

REGISTERED LAND SURVEYOR
REGISTERED NO. 3154
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q - 110 EAST - FIRST SOUTH
VERNAL, UTAH - 84078

X = Section Corners Located
O = Section Corners Reestablished

WORK ORDER - 21592

SCALE 1" = 1000'	DATE 14 AUGUST, 1973
PARTY G.S., D.H., R.R. & S.S.	REFERENCES GLO Plat
WEATHER HOT	FILE Mountain Fuel M-11234

From: Pat Brotherton

Rock Springs, Wyoming

To: T. M. Colson

September 11, 1973

Tentative Plan to Drill
Cave Canyon Well No. 1
San Juan County, Utah

This well will be drilled to total depth by the _____ Drilling Company. One work order has been originated for the drilling and completion of the well, namely 21592-2, Drill Cave Canyon Well No. 1. This well is located in the SE SW Sec. 10, T. 38 S., R. 24 E., San Juan County, Utah. The well will be drilled to a total depth of 6100 feet to test the Paradox formation. Surface elevation is at 5109 feet.

1. Drill a 13-3/4-inch hole to approximately 930 feet KBM or 50 feet into the Carmel formation.
2. Run and cement approximately 930 feet 10-3/4-inch O.D., 32.75-pound, H-40, 8 round thread, ST&C casing. The casing will be cemented with 660 sacks of regular Type G cement which represents theoretical requirements plus 100 percent excess cement for 10-3/4-inch O.D. casing in 13-3/4-inch hole with cement returned to the surface. Cement will be treated with 3102 pounds Dowell D43A. Plan on leaving a 20 foot cement plug in the bottom of the casing after displacement is completed. Floating equipment will consist of a Baker guide shoe. The top and bottom of ten casing collars and the guide shoe will be spot welded in the field. The bottom of the surface casing should be landed in such a manner that the top of the 10-inch 3000 psi casing flange will be at ground level. A cellar three feet deep will be required. Prior to cementing circulate 150 barrels of mud. Capacity of the 10-3/4-inch O.D. casing is 93 barrels.
3. After a WOC time of 6 hours, remove landing joint. Install a NSCo. Type B 10-inch 3000 psi regular duty casing flange tapped for 10-3/4-inch O.D., 8 round thread casing. Install a 2-inch extra heavy nipple, 6-inches long,

and a WKM Figure B138 (2000 psi WOG, 4000 psi test) valve on one side of the casing flange and a 2-inch extra heavy bull plug in the opposite side. Install adequate preventers. After a WOC time of 12 hours, pressure test surface casing and all preventer rams to 1000 psi for 15 minutes using rig pump and mud. The burst pressure rating for the 10-3/4-inch O.D. casing is 1820 psi.

4. Drill a 7-7/8-inch hole to a tentative total depth of 6100 feet or to such other depth as the Geological Department may recommend. A mud desander and desilter will be used from under the surface casing to total depth to remove all undesirable solids from the mud system and to keep the mud weight to a minimum. A fully manned logging unit will be used from the bottom of the surface casing to total depth. The logging unit will be responsible for catching 10 foot samples to total depth. The mud system will consist of properties adequate to allow the running of drill stem tests. Six drill stem tests are anticipated starting at a depth of approximately 4600 feet. Anticipated tops are as follows:

	Approximate Depth (Feet KBM)
Morrison	Surface
Entrada	600
Carmel	880
Navajo	1,110
Kayenta	1,380
Wingate	1,510
Chinle	1,785
Shinarump	2,535
Moenkopi	2,635
Cutler	2,800
Honaker Trail	4,600
Paradox	5,400
Upper Ismay	5,610
Lower Ismay	5,735
"B" Marker	5,820
Desert Creek	5,840
Salt	6,000
Total Depth	6,100

5. After reaching a total depth of approximately 6100 feet, run a dual induction laterolog (with 2-inch linear, 5-inch logarithmic) integrated sonic gamma ray-caliper log from bottom of surface casing to total depth, and a sidewall neutron log from 4600 feet to total depth. Note: Check salt content of the mud prior to logging to determine if the logging program should be changed.
6. Assuming commercial quantities of gas and/or oil are present, go into hole with 7-7/8-inch bit and condition hole prior to running 4-1/2-inch O.D. casing. Pull and lay down drill pipe and drill collars.

7. Run 4-1/2-inch O.D. casing as follows:

(Top of String in Well)

- A. 6060 feet 4-1/2-inch O.D., 11.6-pound, K-55, 8 round thread, ST&C casing.
- B. One Larkin filrite float collar.
- C. One joint 4-1/2-inch O.D., 11.6-pound, K-55, 8 round thread, ST&C casing.
- D. One Larkin filrite float shoe.

Run the casing to bottom and pick up one foot. The casing will be cemented with 50-50 Pozmix cement. Cement requirements will be the actual volume as calculated from the caliper log plus 20% excess. Circulate 150 barrels mud prior to beginning cementing operations. The capacity of the 4-1/2-inch O.D. casing is 9 1/4 barrels. Rotate casing while circulating, mixing, and displacing cement. Displace cement with water.

8. Immediately after cementing operations are completed, land the 4-1/2-inch O.D. casing with full weight on slips and record indicator weight. Cut off the 4-1/2-inch O.D. casing and install a 10-inch 3000 psi by 6-inch 3000 psi NSCo. Type B tubing spool. Pressure test seals to 2000 psi for 5 minutes. The collapse pressure for the 4-1/2-inch O.D., 11.6-pound, K-55 casing is 4540 psi. Install a steel plate over the tubing spool and release drilling rig.

9. Rig up a contract workover rig. Install a 6-inch 5000 psi double gate preventer with blind rams in bottom and 2-3/8-inch rams in top.
10. Pick up a 3-3/4-inch bit and run on 2-3/8-inch O.D., 4.6-pound, J-55 seal lock tubing to plugged back depth. Using Halliburton pump truck and water, pressure test pipe rams and casing to 3000 psi for 15 minutes. The minimum internal yield for 4-1/2-inch O.D., 11.6-pound, J-55 tubing is 5350 psi. Land the tubing on a H-1 tubing hanger and pressure test blind rams to 3000 psi for 15 minutes. Pull tubing, standing same in derrick.
11. After the above items have been evaluated, a tentative plan to complete the well will be finalized.

GENERAL INFORMATION

- I. The following tubular goods have been assigned to the well.

<u>Description</u>	<u>Approximate Gross Measurement (feet)</u>	<u>Availability</u>
<u>Surface Casing</u>		
10-3/4-inch O.D., 32.75-pound, H-40, 8 round thread, ST&C casing	1,000	To be purchased
<u>Production Casing</u>		
4-1/2-inch O.D., 11.6-pound, K-55, 8 round thread, ST&C casing	6,300	To be purchased
<u>Production Tubing</u>		
2-3/8-inch O.D., 4.6-pound, J-55, seal lock tubing	6,300	To be purchased

- II. The salt content of the mud will be checked prior to cementing the 4-1/2-inch O.D. casing to determine if a salt saturated cement will be required.
- III. All ram type preventers will have hand wheels installed and operative at the time the preventers are installed.
- IV. Well responsibility: O. C. Adams

September 14, 1973

Mountain Fuel Supply Company
Box 1129
Rock Springs, Wyoming

Re: Well No. Cave Canyon #1
Sec. 10, T. 38 S, R. 24 E,
San Juan County, Utah

Gentlemen:

Insofar as this office is concerned, approval to drill the above referred to well is hereby granted in accordance with the General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

PAUL W. BURCHELL - Chief Petroleum Engineer
HOME: 277-2890
OFFICE: 328-5771

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (aquifers) are encountered during drilling. Your cooperation relative to the above will be greatly appreciated.

The API number assigned to this well is 43-037-30126.

Very truly yours,

DIVISION OF OIL & GAS CONSERVATION

CLEON B. FEIGHT
DIRECTOR

CBF:sd
cc: U.S. Geological Survey

4

PMB

INTEROFFICE COMMUNICATION

R. G. MYERS

FROM R. G. Myers

Rock Springs, Wyoming

CITY

STATE

TO B. W. Croft

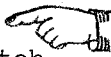
DATE October 12, 1973

SUBJECT Tentative Plan to Drill
Cave Canyon Well No. 1
San Juan County, Utah

Attached for your information and files is a tentative plan to drill the above-captioned well. This plan was written in accordance with the Geologic Prognosis dated July 26, 1973.

RGM/gm

Attachment

cc: J. T. Simon
L. A. Hale (6)
J. E. Adney
Geology (2)
D. E. Dallas (4)
C. F. Rosene
B. M. Steigleder
E. A. Farmer
U.S.G.S.
State 
Paul Zubatch
P. E. Files (4)

LAND OFFICE ----- **Utah**
LEASE NUMBER ----- **7200-A**
UNIT ----- **Cave Canyon Well No. 1**

LESSEE'S MONTHLY REPORT OF OPERATIONS

State Utah County San Juan Field Hatch

The following is a correct report of operations and production (including drilling and producing wells) for the month of JAN 1974, 19_____.

Agent's address P. O. BOX 11368 Company MOUNTAIN FUEL SUPPLY COMPANY

SALT LAKE CITY, UTAH 84139 Signed *E. Murphy*

Phone 328-8315 Agent's title CHIEF ACCOUNTANT

[illegible]

NOTE.—There were No runs or sales of oil; No M cu. ft. of gas sold;

-----No----- runs or sales of gasoline during the month. (Write "no" where applicable.)

NOTE.—Report on this form is required for each calendar month, regardless of the status of operations, and must be filed in duplicate with the supervisor by the 6th of the succeeding month, unless otherwise directed by the supervisor.

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Hatch

The following is a correct report of operations and production (including drilling and producing wells) for

JAN 1974, 19.....

Agent's address P. O. BOX 11368 Company MOUNTAIN FUEL SUPPLY COMPANY

SALT LAKE CITY, UTAH 84111 Signed E. Murphy

Phone 328-8315 Agent's title CHIEF ACCOUNTANT

State Lease No. Utah 7220A Federal Lease No. Indian Lease No. Fee & Pat. ☐

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
					*		**	
SE SW 10	38S	24E	1					<div> <div>No. of Days Produced</div> <div>0</div> </div> <div> <div>Spud January 14, 1974</div> <div>4,200' Drilling</div> </div> <div> <div>File</div> </div>

* Not Corrected for Temperature and Gravity or BS & W

** Flared to Atmosphere

Note: There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

STATE OF UTAH
OIL & GAS CONSERVATION COMMISSION
Salt Lake City 14, Utah

REPORT OF OPERATIONS AND WELL STATUS REPORT

State Utah County San Juan Field or Lease Hatch

The following is a correct report of operations and production (including drilling and producing wells) for

FEB 1974, 19.....

Agent's address P. O. BOX 11368 Company MOUNTAIN FUEL SUPPLY COMPANY

SALT LAKE CITY, UTAH 84111 Signed E. Murphy

Phone 328-8315 Agent's title CHIEF ACCOUNTANT

State Lease No. Utah 7220A Federal Lease No. Indian Lease No. Fee & Pat. ☐

Sec. & 1/4 of 1/4	Twp.	Range	Well No.	*Status	Oil Bbls.	Water Bbls.	Gas MCF's	REMARKS (If drilling, Depth; if shut down, Cause; Date & Results of Water Shut-Off Test; Contents of Gas; and Gas-Oil Ratio Test)
					*		**	No. of Days Produced
SE SW 10	38S	24E	1					0
								Spud January 14, 1974 4,200' Drilling TD 6,000' PBD 0' P & A 27th Feb., 1974 Final Report.

* Not Corrected for Temperature and Gravity or BS & W

** Flared to Atmosphere

Note: There were No runs or sales of oil; No M cu. ft. of gas sold; No runs or sales of gasoline during the month.

NOTE: Report on this form as provided for in Rule C-22. (See back of form.)

FILE IN DUPLICATE

*STATUS: F-Flowing P-Pumping GL-Gas Lift
SI-Shut In D-Dead
GI-Gas Injection TA-Temp. Aban.
WI-Water Injection

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)

Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Wildcat		5. LEASE DESIGNATION AND SERIAL NO. U - 7220-A	
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME -	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 661' FSL, 2030' FWL SE SW		8. FARM OR LEASE NAME Cave Canyon	
14. PERMIT NO. 43-037-30126		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5121.50' GR 5109'		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE SW 10-38S-24E., SLB&M	
		12. COUNTY OR PARISH San Juan	
		13. STATE Utah	

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
TEST WATER SHUT-OFF <input type="checkbox"/>	PULL OR ALTER CASING <input type="checkbox"/>	WATER SHUT-OFF <input type="checkbox"/>	REPAIRING WELL <input type="checkbox"/>
FRACTURE TREAT <input type="checkbox"/>	MULTIPLE COMPLETE <input type="checkbox"/>	FRACTURE TREATMENT <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
SHOOT OR ACIDIZE <input type="checkbox"/>	ABANDON* <input type="checkbox"/>	SHOOTING OR ACIDIZING <input type="checkbox"/>	ABANDONMENT* <input type="checkbox"/>
REPAIR WELL <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	(Other) Supplementary history <input checked="" type="checkbox"/>	
(Other) <input type="checkbox"/>		(NOTE: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)	

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

Depth 5842', tripping in to condition mud.
Spudded January 15, 1974, landed 955.33' net, 963.01' gross of 10-3/4"OD, 32.75#, H-40 casing at 967.83' KBM and set with 660 sacks of cement.

DST #1: 5506-5545', Paradox, IO 1/2 hr, ISI 1 1/2 hrs, FO 2 hrs, FSI 3 1/2 hrs, opened weak continuing, no gas, reopened fair decreased to weak, no gas, recovered 30' gas cut mud, show of oil, IHP 3674, IOFP's 54-54, ISIP 1364, FOFP's 54-54, FSIP 1444, FHP 3674.

DST #2: 5740-5842', Ismay, IO 1/2 hr, ISI 1 1/2 hrs, FO 1 hr, FSI 1 1/2 hrs, opened very weak, died in 3 minutes, no gas, reopened dead, remained dead, recovered 65' mud, IHP 3407, IOFP's 75-93, ISIP 359, FOFP's 93-93, FSIP 239, FHP 3407.

18. I hereby certify that the foregoing is true and correct

SIGNED <u>BW Coft</u>	TITLE <u>Vice President, Gas Supply Operations</u>	DATE <u>2-19-74</u>
-----------------------	--	---------------------

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

5. LEASE DESIGNATION AND SERIAL NO.

U - 7220-A

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Cave Canyon

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Wildcat

11. SEC., T., R., M., OR BLK. AND
SURVEY OR AREA

SE SW 10-38S-24E., SLB&M

12. COUNTY OR PARISH

San Juan

13. STATE

Utah

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL ☐ GAS WELL ☐ OTHER ☒ Wildcat
2. NAME OF OPERATOR
Mountain Fuel Supply Company
3. ADDRESS OF OPERATOR
P. O. Box 1129, Rock Springs, Wyoming 82901
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*
See also space 17 below.)
At surface

661' FSL, 2030' FWL SE SW

14. ~~WELL NO.~~ API No.

43-037-30126

15. ELEVATIONS (Show whether DF, RT, GR, etc.)

KB 5121.50'

GR 5109'

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF ☐FRACTURE TREAT ☐SHOOT OR ACIDIZE ☐REPAIR WELL ☐(Other) ☐PULL OR ALTER CASING ☐MULTIPLE COMPLETE ☐ABANDON* ☒CHANGE PLANS ☐

SUBSEQUENT REPORT OF:

WATER SHUT-OFF ☐FRACTURE TREATMENT ☐SHOOTING OR ACIDIZING ☐(Other) Supplementary history ☒REPAIRING WELL ☐ALTERING CASING ☐ABANDONMENT* ☐(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TD 6000', preparing to abandon.

DST #3: 5864-5910', Desert Creek, IO $\frac{1}{2}$ hr, ISI 100 minutes, FO 1 hr, FSI $1\frac{1}{2}$ hrs, opened with fair blow, reopened dead, no gas, recovered 775' mud.

IHP 3460, IOFP's 452-452, ISIP 1192, FOFP's 452-452, FSIP 822, FHP 3460.

DST #4: 5916-5956', Desert Creek, IO $\frac{1}{2}$ hr, ISI 2 hrs, FO 3 hrs, FSI 5 hrs, opened weak increase to fair, reopened weak decrease to very weak, no gas, recovered 3' mud.

IHP 3539, IOFP's 13-13, ISIP 80, FOFP's 13-13, FSIP 53, FHP 3513.

DST #5: Straddle test 5360-5380', Paradox, mis-run, no packer seat.

DST #6: Straddle test 5360-5390', Paradox, IO $\frac{1}{2}$ hr, ISI $1\frac{1}{2}$ hrs, FO 1 hr, FSI $2\frac{1}{4}$ hrs, opened dead on both openings, no gas, recovered 2' mud.

IHP 3196, IOFP's 49-24, ISIP 74, FOFP's 49-49, FSIP 74, FHP 3171.

Verbal approval was granted on February 25, 1974 during a telephone conversation between Mr. Schmidt with the U.S.G.S. and Mr. Colson to plug and abandon the subject well by laying the following plugs:

Plug No. 1: 5900-5800', 35 sacks, 50-50 Pozmix

Plug No. 2: 5500-5400', 35 sacks

Plug No. 3: 4730-4630', 35 sacks

Plug No. 4: 2700-2600', 35 sacks

Plug No. 5: 1800-1600', 50 sacks

Plug No. 6: 1060-860', 50 sacks

Plug No. 7: 15 sacks in surface pipe.

18. I hereby certify that the foregoing is true and correct

SIGNED

BW Croft

TITLE

Vice President,
Gas Supply Operations

DATE

Feb. 26, 1974

(This space for Federal or State office use)

APPROVED BY

CONDITIONS OF APPROVAL, IF ANY:

TITLE

DATE

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEYSUBMIT IN TRIPLICATE*
(Other instructions on re-
verse side)Form approved.
Budget Bureau No. 42-R1424.

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals.)

1. OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input checked="" type="checkbox"/> Wildcat		5. LEASE DESIGNATION AND SERIAL NO. U - 7220-A	
2. NAME OF OPERATOR Mountain Fuel Supply Company		6. IF INDIAN, ALLOTTEE OR TRIBE NAME -	
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		7. UNIT AGREEMENT NAME -	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.* See also space 17 below.) At surface 661' FSL, 2030' FWL SE SW		8. FARM OR LEASE NAME Cave Canyon	
14. PERMIT NO. API 43-037-30126		9. WELL NO. 1	
15. ELEVATIONS (Show whether DF, RT, GR, etc.) KB 5121.50' GR 5109'		10. FIELD AND POOL, OR WILDCAT Wildcat	
		11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA SE SW 10-38S-24E., SLB&M	
		12. COUNTY OR PARISH San Juan	13. STATE Utah

16. Check Appropriate Box To Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

TEST WATER SHUT-OFF

FRACTURE TREAT

SHOOT OR ACIDIZE

REPAIR WELL

(Other)

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBSEQUENT REPORT OF:

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

(Other)

REPAIRING WELL

ALTERING CASING

ABANDONMENT*

(NOTE: Report results of multiple completion on Well
Completion or Recompletion Report and Log form.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)*

TD 6000', PBD 0', rig released February 27, 1974, well plugged and abandoned as follows:

Plug No. 1: 5900-5800', 35 sacks
Plug No. 2: 5500-5400', 35 sacks
Plug No. 3: 4730-4630', 35 sacks
Plug No. 4: 2700-2600', 35 sacks
Plug No. 5: 1800-1600', 50 sacks
Plug No. 6: 1060- 860', 50 sacks
Plug No. 7: 15 sacks (30') into surface pipe.

A regulation abandonment marker will be installed and the location cleaned at a later date.

18. I hereby certify that the foregoing is true and correct

SIGNED

BW Croft

TITLE

Vice President,
Gas Supply Operations

DATE Feb. 27, 1974

(This space for Federal or State office use)

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

(See other in-
structions on
reverse side)Form approved,
Budget Bureau No. 42-R355.5.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. U - 7220-A	
b. TYPE OF COMPLETION: NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME --	
2. NAME OF OPERATOR Mountain Fuel Supply Company		7. UNIT AGREEMENT NAME --	
3. ADDRESS OF OPERATOR P. O. Box 1129, Rock Springs, Wyoming 82901		8. FARM OR LEASE NAME Cave Canyon	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 661' FSL, 2030' FWL SE SW At top prod. interval reported below At total depth		9. WELL NO. 1	
14. PERMIT NO. API 43-037-30126		10. FIELD AND POOL, OR WILDCAT Wildcat	
DATE ISSUED		11. SEC. T., R., M., OR BLOCK AND SURVEY OR AREA SE SW 10-38S-24E., S1B&M	
15. DATE SPUDDED 1-15-74		12. COUNTY OR PARISH San Juan	
16. DATE T.D. REACHED 2-22-74		13. STATE Utah	
17. DATE COMPL. (Ready to prod.) 2-27-74		19. ELEV. CASINGHEAD -	
18. ELEVATIONS (DF, REB, RT, GR, ETC.)* KB 5121.50' GR 5109'		20. TOTAL DEPTH, MD & TVD 6000'	
21. PLUG, BACK T.D., MD & TVD 0'		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY → 0-6000'		24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* Dry and Abandoned	
25. WAS DIRECTIONAL SURVEY MADE No		26. TYPE ELECTRIC AND OTHER LOGS RUN Gamma Ray-BHC, Dual Induction Focused, Sidewall Neutron-GR	
27. WAS WELL CORED No		28. CASING RECORD (Report all strings set in well)	
CASING SIZE 10-3/4"		WEIGHT, LB./FT. 32.75'	
DEPTH SET (MD) 967.83'		HOLE SIZE 13-3/4 7-7/8	
CEMENTING RECORD 660		AMOUNT PULLED 0	
29. LINER RECORD		30. TUBING RECORD	
SIZE TOP (MD) BOTTOM (MD) SACKS CEMENT* SCREEN (MD)		SIZE DEPTH SET (MD) PACKER SET (MD)	
31. PERFORATION RECORD (Interval, size and number)		32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)		AMOUNT AND KIND OF MATERIAL USED	
33.* PRODUCTION		34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented while testing.	
DATE FIRST PRODUCTION D & A		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
WELL STATUS (Producing or shut-in)		TEST WITNESSED BY	
DATE OF TEST		HOURS TESTED	
CHOKE SIZE		PROD'N. FOR TEST PERIOD	
OIL—BBL.		GAS—MCF.	
WATER—BBL.		GAS-OIL RATIO	
FLOW. TUBING PRESS.		CASING PRESSURE	
CALCULATED 24-HOUR RATE		OIL—BBL.	
GAS—MCF.		WATER—BBL.	
OIL GRAVITY-API (CORR.)		35. LIST OF ATTACHMENTS Logs as above, Well Completion and Well Lithology to be sent at a later date.	
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records		SIGNED <u>BW Craft</u> TITLE <u>Gas Supply Operations</u> DATE <u>Feb. 27, 1974</u>	

*(See Instructions and Spaces for Additional Data on Reverse Side)

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. **Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool. **Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES:

SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	38. GEOLOGIC MARKERS		
				NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Log tops:		
				Morrison	0'	
				Entrada	700'	
				Carmel	830	
				Navajo	980	
				Kayenta	1255	
				Wingate	1405	
				Chinle	1720	
				Shinarump	2503	
				Moenkopi	2562	
				Cutler	2682	
				Honaker Trail	4680	
				Paradox	5242	
				Upper Ismay	5448	
				Lower Ismay	5730	
				"B" Zone	5818	
				Desert Creek	5846	
				Salt	5990'	

2
Paul Mtn Fuel 2/28/74

Cave Canyon - Loffland Dig
↓ P & A

money to Monument Canyon - #1 Fee
before

Wants to spend money -
Gave initial approval

Fee - 6600' - (Desert Creek test)

↓ 660' FEL & 660' FSL
SE SE

sec 31 T 35S R 26E

10³/₄ Camp / 300' / 229 sp

8³/₈ to 1650 - intermediate.

PMB

JP

COMPLETION REPORT

Well: Cave Canyon #1 Date: April 24, 1974

Area: Paradox Basin Lease No: U-7220-A

☒ New Field Wildcat ☐ Development Well ☐ Shallower Pool Test

☐ New Pool Wildcat ☐ Extension ☐ Deeper Pool Test

Location: 661 feet from South line, 2030 feet from West line

SE $\frac{1}{4}$ SW $\frac{1}{4}$

Section 10, Township 38 South, Range 24 East

County: San Juan State: Utah

Operator: Mountain Fuel Supply Company

Elevation: KB 5121.50 Gr 5109 Total Depth: Driller 6000 Log 6000

Drilling Commenced: January 15, 1974 Drilling Completed: February 22, 1974

Rig Released: February 27, 1974 Well Completed: February 27, 1974

<u>Sample Tops: (unadjusted)</u>				<u>Log Tops:</u>			
Morrison	Surface	Shinarump	2486'	Desert Creek	5863'	Morrison	Surface
Entrada	715'	Moenkopi	2568'	Salt	5986'	Entrada	700'
Carmel	863'	Cutler	2694'			Carmel	830'
Navajo	973'	Honaker Trail	4768'			Navajo	980'
Kayenta	1279'	Paradox	5388'			Kayenta	1255'
Wingate	1396'	Lower Ismay	5763'			Wingate	1405'
Chinle	1711'	"B" Marker	5835'			Chinle	1720'
Sample Cuttings:						Shinarump	2503'
						Moenkopi	2562'
						Cutler	2682'
						Honaker Trail	4680'
						Paradox	5242'
						Upper Ismay	5448'
						Lower Ismay	5730'
						"B" Zone	5818'
						Desert Creek	5846'
						Salt	5990'

Status: Plugged and abandoned

Producing Formation: None

Perforations: None

Stimulation: None

Production: None

Plug Back Depth: Surface

Plugs: 5900-5800 w/35 sacks; 5500-5400 w/35 sacks; 4730-4630 w/35 sacks; 2700-2600 w/35 sacks; 1800-1600 w/50 sacks; 1060-860 w/50 sacks; 15 sacks into surface pipe

Hole Size: Surface to 967.83 13-3/4"; 967.83 to 6000 7-7/8"

Casing/Tubing: 10-3/4" at 967.83

Logging - Mud: 2" and 5" - Core Lab (Ric Duncan) - 1020-6000' (TD)

Mechanical: Dual Induction Focused Log (2" and 5") from 969 to 5996 feet.

Borehole Compensated Sonic w/Gamma Ray and Caliper (2" and 5") from 969 to

Contractor: 5990 feet. Sidewall Neutron w/Gamma Ray and Caliper (2" and 5").

Loffland Brothers from 4600 to 5997 feet.

Completion Report Prepared by: A. R. Smith and R. L. Lloyd

Remarks:

COMPLETION REPORT (cont.)Well: Cave Canyon #1Area: Paradox Basin

Cored Intervals (recovery): None

Tabulation of Drill Stem Tests:

<u>No.</u>	<u>Interval</u>	<u>IHP</u>	<u>IFP (min.)</u>	<u>ISIP (min.)</u>	<u>FFP (min.)</u>	<u>FSIP (min.)</u>	<u>FHP</u>	<u>Samples Caught</u>	<u>Remarks</u>
1	5506-5545	3694	34-34 (30)	1358 (89)	41-45 (120)	1440 (211)	3675	None	Rec. 30' GCM w/show oil, NGTS
2	5740-5842	3405	81-81 (30)	358 (90)	85-74 (60)	250 (90)	3405	None	No fluid recovery, NGTS, charts indicate plugged anchor perforations.
3	5864-5910	3463	475-476 (30)	1194 (100)	476-477 (60)	864 (90)	3459	None	775' drilling mud, NGTS, charts indicate plugged anchor perforations.
4	5916-5956	3499	23-19 (30)	90 (120)	23-23 (180)	80 (300)	3499	None	Rec. 3' Mud, NGTS
5	5360-5380	MISRUN - No packer seat							(Lynes) straddle test
6	5360-5380	3171	45-47 (30)	67 (95)	42-45 (60)	37 (155)	3207	None	Rec. 2' Mud. NGTS, (Lynes) straddle test